

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A wheel assembly comprising:
a wheel mounted to a hub; and
a sensor to selectively generate a signal indicative of relative ~~movement~~rotation between said wheel and said hub.
2. (Original) The assembly as recited in claim 1, further comprising a transmitter and a controller, said transmitter communicating said signal from said sensor to said controller.
3. (Currently Amended) The assembly as recited in claim 2, further comprising a warning device for conveying information indicative of relative rotation~~movement~~ between said wheel and said hub, said warning device~~display~~ in communication with said controller.
4. (Original) The assembly as recited in claim 1, wherein said sensor is mounted to said hub.
5. (Currently Amended) The assembly as recited in claim 4, wherein said hub includes an opening, and said sensor is mounted within said opening.
6. (Original) The assembly as recited in claim 1, wherein said sensor further comprises a pointer engaged with said wheel.
7. (Currently Amended) The assembly as recited in claim 6, wherein said pointer moves in response to relative rotation~~movement~~ between said hub and said wheel.
8. (Currently Amended) The assembly as recited in claim 7, wherein said pointer is attached to a signal generator, movement of said pointer in response to rotation~~movement~~ of said wheel actuates said signal generator.
9. (Original) The assembly as recited in claim 8, wherein said signal generator comprises a piezo-ceramic material generating an electric current in response to movement of said pointer.

10. (Currently Amended) The assembly as recited in claim 7, including a biasing member supporting said ~~point~~pointer, said biasing member biasing said pointer~~point~~ toward said hub.
11. (Original) The assembly as recited in claim 1, wherein said sensor comprises an optical motion detector.
12. (Original) The assembly as recited in claim 11, wherein said sensor comprises a light emitting portion and a light-receiving portion.
13. (Currently Amended) A loose wheel detection assembly for a wheel mounted to a hub comprising:
a sensor to selectively generate a signal indicative of relative ~~movement~~rotation between the hub and the wheel.
14. (Currently Amended) The assembly as recited in claim 13, wherein said sensor includes a pointer engaged to ~~said~~the wheel, said pointer movable in response to relative ~~movement~~rotation between the wheel and the hub.
15. (Original) The assembly as recited in claim 14, further comprising a generator responsive to movement of said pointer.
16. (Original) The assembly as recited in claim 15, wherein said generator is a piezo-ceramic member generating an electrical current proportional to movement of said pointer.
17. (Currently Amended) The assembly as recited in claim 13, further comprising a transmitter for transmitting information indicative of rotation~~movement~~ between said wheel and said hub.
18. (Currently Amended) The assembly as recited in claim ~~13~~14, wherein said pointer comprises a cylindrical member having an end fixed to said wheel.

19. (Original) The assembly as recited in claim 13, wherein said sensor comprises an optical motion detector.

20. (Currently Amended) A method of detecting a loose wheel on a vehicle, said method comprising the steps of:

- a) detecting relative ~~movement~~rotation between a wheel and a hub; and
- b) indicating a loose wheel in response to a predetermined amount of relative ~~movement~~rotation between said wheel and hub;

21. (Currently Amended) The method as recited in claim 20, comprising transmitting information indicative of relative ~~movement~~rotation between said hub and said wheel to a controller.

22. (Original) The method as recited in claim 20, wherein said step a) comprises contacting said wheel with a pointer and said step b) comprises detecting deflection of said pointer.

23. (Currently Amended) The method as recited in claim ~~21~~22, comprising transmitting an electrical signal proportional to deflection of said pointer.

24. (Currently Amended) The method as recited in claim 20, wherein step a) comprises detecting relative rotation~~movement~~ between ~~said~~the wheel and the hub with an optical motion detector.